

ABSTRACT OF THE DISCLOSURE

A sensor chip comprises a layer-shaped base body, which has a plurality of fine holes formed in one surface, and fine metal particles, each of which is loaded in one of the
5 fine holes of the base body. At least a part of each of the fine metal particles is exposed to a side of the layer-shaped base body, which side is more outward than the one surface of the layer-shaped base body. The layer-shaped base body may be constituted of anodic oxidation alumina. The sensor chip
10 constitutes a sensor utilizing localized plasmon resonance, with which a state of binding of a sensing medium with a specific substance is capable of being detected quickly and with a high sensitivity.